

# 708EPI-DC

## Industrial 8-Port PoE Long Reach Switch



### Introduction

Proscend's Industrial 8-port PoE Long Reach Switch 708EPI-DC is designed for AIoT long-distance network extension up to 800 meters to carry data and power over single cable, surpassing the standard Ethernet distance limit of 100 meters.

With a Small Form Factor and industrial-grade design, the 708EPI-DC features a hardened metal casing, lightweight size at only 0.53kg, fanless cooling, and low power consumption to offer high durability, high performance, interference resistance, and suitable for harsh environments ranging from -40 to +75°C. The 708EPI-DC is equipped with 8 Long Reach PoE ports, each capable of pairing with Proscend's 101EPI remote Ethernet Extender to achieve seamless long-distance connectivity.

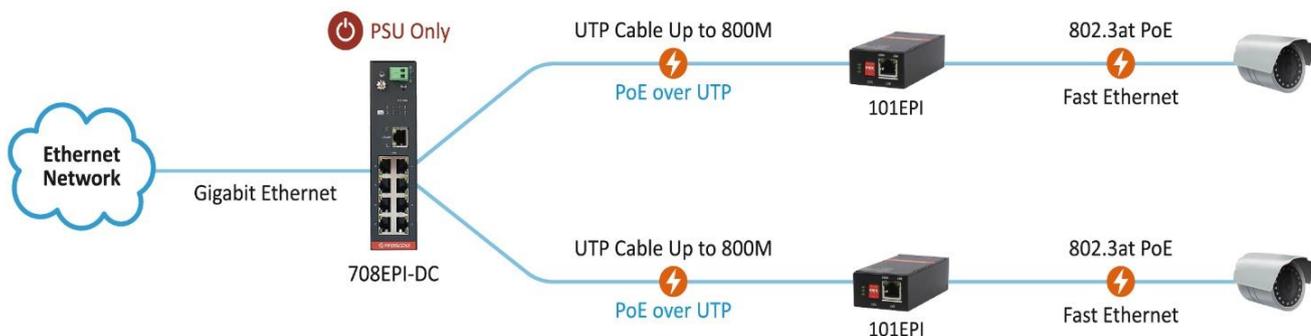


The built-in LFPT function enables users to remotely troubleshoot in real time, ensuring reliable operation, reducing downtime, lowering maintenance costs and optimizing efficiency. Widely applicable in security surveillance, smart cities, transportation, and energy sectors, the 708EPI-DC offers an economical, efficient, and easy-to-deploy solution for flexible integration tailored to local conditions, saving operating costs by 80%.

### Features

- Eight Long Reach PoE Ethernet ports, One Gigabit Ethernet uplink.
- Ethernet over UTP cable up to 800 meters.
- Eliminate long-distance power cabling.
- Compact, fanless design with wide temperature range.
- 6KV surge protection.
- Smart web management.
- LFPT (Link Fault Pass Through) per each port.
- Industrial-grade durability for harsh environments.
- Winner of the 2025 Taiwan Excellence Award.

### Application



## Specifications

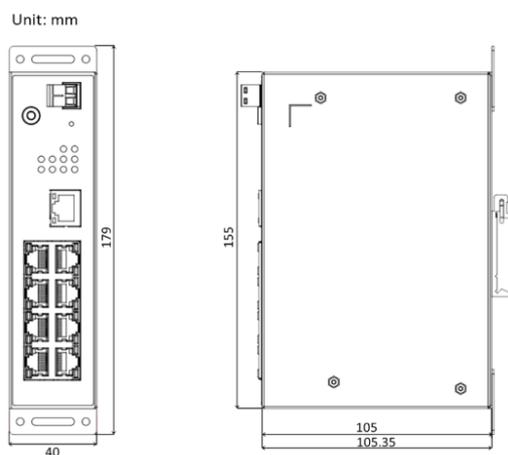
<p><b>Hardware Interfaces</b></p> <ul style="list-style-type: none"> <li>■ RJ45 Uplink port</li> <li>■ LINE port x 8: Passive PoE PSE</li> <li>■ 2-pin Terminal Block</li> <li>■ IEEE 802.3/802.3u/802.3x/802.3ab compliant</li> </ul> <p><b>Management</b></p> <ul style="list-style-type: none"> <li>■ Web-based Management</li> <li>■ TFTP firmware upgrade</li> <li>■ PoE Status Monitoring</li> <li>■ Support Link Fault Pass Through (LFPT)</li> </ul> <p><b>Mechanical</b></p> <ul style="list-style-type: none"> <li>■ Dimensions (W x H x D): 40 x 155 x 105 mm</li> <li>■ Weight: 0.53 kg</li> <li>■ DIN-rail and Wall Mounting</li> <li>■ IP40</li> </ul>	<p><b>Power</b></p> <ul style="list-style-type: none"> <li>■ Power Input: 55~57VDC</li> <li>■ System power consumption: 10W</li> <li>■ PoE power budget: 200W</li> </ul> <p><b>LED Indicators</b></p> <ul style="list-style-type: none"> <li>■ Power, System, Port Status, PoE</li> </ul> <p><b>Environment &amp; Regulatory Compliance</b></p> <ul style="list-style-type: none"> <li>■ Operating Temperature: -40 to +75°C</li> <li>■ Storage Temperature: -40 to +85°C</li> <li>■ Humidity: 5 to 95% RH (non-condensing)</li> <li>■ EMC: FCC Part 15 subpart B, EN55032 Class A, CISPR 32, UKCA, EN300386, EN55035, CISPR35</li> <li>■ Electrical Safety: EN 62368-1</li> <li>■ EN50121-4 Compliant</li> <li>■ RoHS (Pb free) and REACH compliant</li> <li>■ MTBF: &gt;25 years</li> </ul>
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## Data and Power Range

Cat 6 UTP 4 Pairs, 708EPI-DC @75°C PoE Power Budget 200W			Cat 6 UTP 2 Pairs, 708EPI-DC @75°C PoE Power Budget 200W		
Distance	Link Speed	101EPI PoE output (watt)	Distance	Link Speed	101EPI PoE output (watt)
100 meters	100Mbps	30.0	100 meters	100Mbps	28.0
200 meters	100Mbps	28.0	200 meters	100Mbps	25.0
300 meters	100Mbps	26.5	300 meters	100Mbps	21.5
400 meters	100Mbps	25.0	400 meters	100Mbps	15.5
500 meters	100Mbps	23.5	500 meters	100Mbps	12.0
600 meters	10Mbps	21.5	600 meters	10Mbps	10.0
700 meters	10Mbps	18.0	700 meters	10Mbps	8.0
800 meters	10Mbps	15.5	800 meters	10Mbps	6.5
900 meters	N/A	N/A	900 meters	N/A	N/A

**NOTE:** The actual data speed and PoE performance can vary by the environmental conditions and the cable qualities. The actual PoE power budget can vary by the operating temperature.

## Dimensions



## Ordering Information

Model Name	Description
708EPI-DC	Industrial 8-Port PoE Long Reach Switch

**NOTE:** Features and specifications are subject to change without prior notice.